



MUSC3808

6YVta]b['U'DYfZcfa Yf

7ci fgY`Cj Yfj]Yk

GHJZZ7cbHJW`8YHJ]`g

7cbj Ybcfg

B Ua Y	9a Uj`	5j Uj`UVj]m	@WUjcb	D\cbY
? ja `6i fk Y`	_ "Vi fk Y`4 i bgk "YXi "Ui	VmUddc]bħa Ybh	K YVgYf`%%\$	

GWcc`7cbHJW`bZcfa Uhjcb

GWcc`cZħY`5frg`UbX`A YX]U

Fcca " %&ž@Yj Y` žF cVYfhK YVgYf`6i]X]b[`f] %Ł

D\cbY. f\$&Ł- ' ,) '(,) *

9a Uj]: [gUa 4 i bgk "YXi "Ui](#)

K YVg]ħ: [k k k "Ufřg"i bgk "YXi "Ui #gUa](#)

H\Y`GWcc`cZħY`5frg`UbX`A YX]U`k ci `X`]_Y`ħ F YgdYW`m5W_bck `YX[Y`ħY`HfUX]ħcbU`7i għX]Ubgž ħY`6YXY[U`fP`Ybg]b[ħcb`WJa di gŁž; UX][U`f7]mUbX`5fř/ `8Yg][b`7 Ua di gYgŁ`UbX`ħY`B [i bbUk U` dYcd`Y`f5i gřU]Ub`8YZřbW` : cfW`5WUXYa m]b`7 UbVYffUŁcZħY`UbXg`k \YfY YUW`WJa di g`cZI B GK `]g `cWUħY`X"

5ggYgga Ybh

5XX]hcbU`]bZcfa Uhcb`k]`VY`dfcj]XYX`cb`a ccX`Y"

5ggYgga YbhHUg_g`

5ggYgga YbhHUg_	K Y][\h	8i Y`8UH`	Gh XYbh@YUfb]b[Ci hWta Yg`5ggYggYX
F YZYW]j Y`7 f]h]ei Y`	* \$i	Bch5dd`]WUV`Y	%z&
9ggUm	(\$i	%"\$#\$, #&\$%-`%%) - `DA	%z

5ggYgga Ybh8YHU]`g

5ggYgga Ybh%`F YZYW]j Y`7 f]h]ei Y`

GHUfhXUH`. Bch5dd`]WUV`Y

8YHU]`g.

' \$\$\$`k cfXg`fcU""": YYXVUW`k]`VY`[]j Yb`j]U`@A G

5ggYgga Ybh&.`9ggUm

GHUfhXUH`. Bch5dd`]WUV`Y

@Yb[h. `&z\$\$\$`k cfXg

8YHU]`g.

&\$\$\$`k cfXg""": YYXVUW`k]`VY`[]j Yb`j]U`@A G

Hi fb]h]b`gYH]b[. H\]g`Ugg][ba Ybh]g`gi Va]hYX`h`fci [\`Hi fb]h]b`UbX`ghi XYbhg`Xc`bchgYY`Hi fb]h]b`g]a]Uf]mifYdcfrg"

5 hYbXUbW F Yei]fYa Ybhg

Gh XYbhg UFY gfc b[mYbWci fU[YX hc UhhYbX U WUggYg UbX fYj]Yk YW h fY fYWc fX]b[g"

7 ci fgY GWXYXi Y

[J Yk WUgg hja YhUV Y](#)

Hja YhUV Y

8UhY	HmdY	7cbhYbh
K WU % % gbWZ) gAW	CW 3ur [5Wj]m A`	5W 3ur [hfk ,

		W"@YVh fY`j bdi h`H\Y`XmbUa]Vg`cZgh X]c`Yggcbg X"Gh XYbh`YX`gYa]bUf`fl fci d`8Ł
K YY_) .&- `>i bY!" `>i`m	C b`]bY`5Wj]]m	I` 76@7E63K # <g`k, 9 dągbe 5 ~ 6ł 5 d[f/#fiVgVŁ : F`85M' `>i`m U"@YVh fY`j bdi h`A cXY`]b[`UbX`ja]hU]cb V"Gh XYbh`YX`gYa]bUf`fl fci d`9Ł W"@YVh fY`j bdi h`7ca a i b]WU]cb`]b`hY`gh X]c X"Gh XYbh`YX`gYa]bUf`fl fci d`5Ł
K YY_*. `*`>i`m!`%\$`>i`m		A]X]hfa `VfYU_
K YY_+. `% `>i`m!`%+`>i`m	C b`]bY`5Wj]]m	I` 76@7E63K #` <g`k, 9 dągbe 7 5 d[f/#fi` 3 5 d[f/\$fiVgVŁ : F`85M%+`>i`m U"@YVh fY`j bdi h`Gh XYbhUddfcUWXyg`hc`dfUW]VW V"Gh XYbh`YX`gYa]bUf`fl fci d`6Ł W`5Wj]]m`F YZYW]b[`cb`UddfcUWXyg`hc`dfUW]VW X"Gh XYbh`YX`gYa]bUf`fl fci d`7Ł
K YY_ , .&\$`>i`m!`&(`>i`m	C b`]bY`5Wj]]m	I` 76@7E63K \$\$ <g`k, 9 dągbe 4 ~ 5ł 5 d[f/\$fiVgVŁ : F`85M&(`>i`m U"@YVh fY`j bdi h`DfcV`Ya Uh]Wgh X]c`fY`Uh]cbg\]dg V"Gh XYbh`YX`gYa]bUf`fl fci d`8Ł W`9ggUm]dg/`gi [[Ygh]cbg X"Gh XYbh`YX`gYa]bUf`fl fci d`9Ł
K YY_-. `&+`>i`m!`" `%>i`m		I` 76@7E63K \$+ <g`k, 9 dągbe 6 ~ 7ł 5 d[f/\$fiVgVŁ : F`85M' `%>i`m =bX]]Xi U`h] hcf]U`gZ`Ug`gWXYXi`YX
K YY_%\$. "`5i [i gh!`+ 5i [i gh	C b`]bY`5Wj]]m	: F`85M+`5i [i gh U`=b]fcXi W]cb`hc`a i g]W]hYfUdmfk]h`5`]gcb`G`cftŁ V`8 fcd!]b`YggUmgi ddcfh

F Ygci fWg

DfYgW]VYX`F Ygci fWg`

F YWca a YbXYX`F Ygci fWg

7ci fgY`9j U`i Uh]cb`UbX`8Yj Y`cda Ybh

9j U`i Uh]cb`k]`VY`WcbXi WYX`hfc [\`hY`A m9I dYf]YbW`gi fj YmUh`hY`YbX`cZ`hfa "

Gi Va]gg]cb`cZ5ggYgga YbhiHUg_g

Hi fb]h]b`Gi Va]gg]cb

Ʒmci`YbWci bHYf`U`dfcV`Ya`k` \Yb`UHYa` dh]b[`hc`gi`Va`]hmc`i`f`Ugg][`ba`YbhiHfci`[`\`Hi`fb]h]b`z`d`YUgY`
HY`Yd`cbY`9I`HYfbU`Gi`ddcfhcb`-`,`)`"``'``%cf`Ya`Uj`h`Ya`cb`YI`HYfbU`HY`hgi`ddcfh4`i`bgk`"YXi`"Ui`"Gi`ddcfh`
`lci`fg`UfY`,`.\$\$Ua`-`-%\$.\$\$da`cb`k`YY`XUmg`UbX`-`.\$\$Ua`-`).\$\$da`cb`k`YY`YbXg`f1`*)`XUmg`U`mY`Uf2`"Ʒmci`
UfY`i`bUV`Y`hc`gi`Va`]hmc`i`f`Ugg][`ba`YbhiXi`Y`hc`U`ZU`i`hk`]h`Hi`fb]h]b`mci`a`UmUdd`mZc`f`Ub`YI`HYbg]cb`z`Vi`hmc`i`
a`i`ghfYhU]b`mci`f`h]W`Yhbi`a`VYf`Zca`9I`HYfbU`Gi`ddcfhU`cb[`k`]h`Ubmc`h`Yf`fY`Yj`UbhXcW`a`Ybhtg`L`hc`
]bWi`XY`Ug`Yj`]XYbVW`hc`gi`ddcfhmc`i`f`YI`HYbg]cb`Udd`]W]h]cb`"Ʒmci`Ya`Uj`9I`HYfbU`Gi`ddcfhmc`i`k`]`
Ui`hca`U]WU`mifYW]j`Y`U`h]W`Yhbi`a`VYf`z`Vi`h]Zmci`HY`Yd`cbY`mci`k`]`bYYX`hc`gdYW]Z]WU`mUg`Zc`f`cbY`"
Hi`fb]h]b`U`gc`dfcj`]XYg`i`dXUH`g`cb`h`Y]f`gmghYa`g`hU`h`g`cb`Hk`]hYf`"

;`YbYfU`mz`UggYgga`YbhiUg_g`a`i`ghVY`gi`Va`]hYX`Y`YWfcb]WU`mj`]U`Y]h`Yf`Hi`fb]h]b`cf`U`A`ccX`Y`
Ugg][`ba`Ybhi`h]b]bg]h]bVW`g`k` \YfY`h`lg`]g`bchidcgg]V`Yz`]hk`]`VY`ghUHYX`cb`mci`f`Wci`fgY`g`A`ccX`Y`g]h`k`]h`
U`HYfbU]h]`Y`gi`Va`]gg]cb`XYhU]g`"

:`cf`]bZcfa`U]cb`cb`lck`hc`gi`Va`]hUgg][`ba`Ybhtg`cb`]bY`j`]U`A`ccX`Y`.`h`hdg`#gh`XYbhi`bgk`"YXi`"Ui`#ack`!
gi`Va`]hUgg][`ba`Ybhta`ccX`Y`"

5 WUXYa]W< cbYgmiUbX`D`U[]Uf]ga

D`U[]Uf]ga `]g`i g]b[`hY`k cfXg`cf`]XYUg`cZc`hYfg`UbX`dfYgYbh]b[`hYa `Ug`mci f`ck b" `#WUb`hU`Y`a Ubm
Zcfa gZ`Zca `XY`]VYfUHY`WXYUH]b[`hc`UWV]XYbhU`miWc`dm]b[`Zca `U`gci fW`k]h`ci hUW`bck `YX[Ya Ybh`

I BGK `[fci dg`d`U[]Uf]ga `]bhc`hY`Zc`ck]b[`WUHY[cf]Yg.

7 cdm]b[.`i g]b[`hY`gUa Y`cf`j Yfmg]a]Uf`k cfXg`hc`hY`cf][]bU`hYI hcf`]XYU`k]h`ci hUW`bck `YX[]b[`hY

- i bXYfghUbx'mci f'f][\hg'UbX'fYgdcbg]V]h]Yg'Ug'U'gh XYbhUhl BGK
- VY'Uk UfY'cZd'U[]Uf]ga ž'Wc'dmf][\hž' BGK 'Gh XYbh7cXY'cZ7cbXi W'Ubx'5W'W'dhUV'Y'I gY'cZ I BGK '⇒H'F'Ygci f'W'g'Dc`]W'h
- VY'Uk UfY'cZ'Y'ghUbxUfXg'cZVY\Uj]ci f'YI dY'W'X'cZYj Yfmcby`]b'h'Y'I BGK 'W'a a i b]m
- `cW'W'h'gYfj]W'g'UbX']bZ'fa U]cb'UVci hl BGK 'UbX'I BGK '@]VfUfm

Gca Y'cZ'Y'gY'UfY'Ug'k]`VY'ZJa]]Uf'hc'mci ž'c'h'Y'f'g'k]`VY'bYk " ; U]b]b['U'gc`]X'i bXYfghUbx]b['cZU`'h'Y fY'U'Y'X'UgdY'W'g'cZ9@G9'k]`'Y'd'mci 'a U_Y'h'Y'a cgh'cZ'mci f'gh X]Yg'Uhl BGK ""

[\h'hd.##ji V'Y'W'i \]X'Y'g"\]VfUfm'i b'gk "Y'X'i "U'i #' \]g'Y'#J'V'ci h' \]g'Y](#)

5 WUXYa]W**ϕ**Zcfa Uh]cb

: cf`YggYbh]U`ghi XYbh]bZcfa Uh]cb`fY`Uh]b[`tc.